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Getting Started Guide

MultiQ Media player 4 and 5

World wide service support:
www.multiq.com
support@multiq.com

Notices
This user's guide is intended for administrators and users of the MultiQ Media player 4, MultiQ Media player 4 VGA & MultiQ Media player 5 and is applicable for firmware release 2.2 or later. It includes instructions for installing and the basic use of your MultiQ product. Previous experience of networking will be of use when using this product. For more detailed information please visit www.multiq.com where users manual and more documentation is available for download. Later versions of this document will be posted to the MultiQ Website, as required.

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Support
Should you require any technical assistance, please contact your MultiQ reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response.

From www.multiq.com you can:

- Download user documentation and software updates
- Find answers to resolved problems in the FAQ database.
- Report problems to MultiQ support.
- Visit MultiQ Support at www.multiq.com

3 YEAR LIMITED HARDWARE WARRANTY

Warranty Coverage
MultiQ Products AB ("MultiQ") warranty obligations are limited to the terms set for below:

MultiQ warrants to the original end-user purchaser (the "Purchaser") that the Multi Product (the "Product") enclosed with this limited hardware warranty will in respect of th hardware be free from defects in design, workmanship and materials under normal us for a period of three (3) years from the date of the Purchaser's original purchas ("Warranty Period").

The Purchaser shall without undue delay notify MultiQ of any defect which appears the Product according to MultiQ's RMA Handling, failure to which shall mean that th Purchaser loses its right to have the Product defect remedied. Valid warranty time left fo the Product will be found on MultiQ's website under Service & Support, deviations will b handled by a valid form of a bill of sale or receipt from an authorized retailer/distribute with the date of the original purchase for the Product. Such bill of sale or receipt must b presented to obtain warranty service.

If a valid claim is received on MultiQ's website in form of a created case, within th Warranty Period, the sole remedy of the Purchaser and MultiQ's sole and exclusiv liability shall be limited to, at MultiQ sole discretion, either repair of the hardware defe using new or refurbished replacement parts, or replacement of the Product. Repaired o replacement hardware will be warranted for the remainder of the original Warran Period or ninety (90) days, whichever is longest.

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This warranty does not apply to defects in the Products due to (a) faulty and improp installation, maintenance service, repair performed by non authorized service partn and/or alteration of the Product, in any way that is not contemplated in th documentation for the Product or carried out with MultiQ's consent in writing, operation adjustments covered in the operating manual for the Product or carried out in connectio with normal maintenance, (b) cosmetic damages like scratches or marks on the Produc (c) exhaustion of the touch-glass due to abnormal usage for the type of glass, (d modification or tampering with the Product , (e) damage to the Product by acts of Go misuse, abuse, negligence, accident, normal wear and tear and deterioration, improp environmental conditions, exposure to aggressive chemicals (including, but not limite to, electrical surges, water damage and heat exposure) or lack of responsible care, (f) the Product has had the model or serial number altered, defaced or removed, (g consumables (such as batteries) (h) image retention (i) decreasing luminous intensi from CCFL, (j) Products that have been purchased "as is" and/or MultiQ or the selle otherwise expressly disclaim their warranty obligation pertaining to the Product, (k) ar non MultiQ hardware product (irrespective of packaged or sold with an MultiQ hardwa

product), (l) any software (irrespective of packaged or sold with an MultiQ hardware product) (m) Products purchased from an unauthorized distributor/reseller, (n) damage that occurs in shipment or (o) damages by any other causes not related to defective design, workmanship and/or materials.

NOTES: If the product is to be used outdoors or in dusty, humid, or other hostile environments, it must be suitably protected.

MultiQ apply the ISO standard for panels, ISO 13406-2 class ll.

Products with touch glass, of all types, need to be cleaned with none aggressive liquid, and the touch surface should not by any circumstances be exposed of higher hardness level (according to Mohs scale), than as stipulated in the touch-glass manufactures specification. Wear caused by sharp objects similar but not limited to sharp pens, edge of credit cards and fingernails is not covered by warranty.

Additional hardware embedded in MultiQ's Products, such as Touch functions, Card readers and similar features present today and available in the future are often used with driver software not developed by MultiQ. If other drivers than those approved by MultiQ as per the purchase date are used in or together with the Products, this will render the warranty invalid for the Product, unless MultiQ has approved in writing the drivers for use together with the Product.

Failure to comply with any of the aforementioned requirements will invalidate this Limited Hardware Warranty.

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NOTWITHSTANDING THE FOREGOING, MULTIQ's TOTAL LIABILITY FOR ALL CLAIMS UNDER THIS WARRANTY SHALL NOT EXCEED THE PRICE PAID FOR THE PRODUCT. THESE LIMITATIONS ON POTENTIAL LIABILITIES HAVE BEEN AN ESSENTIAL CONDITION IN SETTING THE PRODUCT PRICE.

Applicable Law
This Limited Warranty is governed by and construed under the laws of Sweden.

This Limited Hardware Warranty may be subject to MultiQ's change at any time without prior notice.

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1. Cautions and Warnings

CAUTION !!
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: To reduce the risk of electric shock, do not
remove cover (or back).
No user serviceable parts inside.
Refer servicing to qualified personnel.

WARNING
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS MONITOR TO RAIN OR MOISTURE.

“HIGH VOLTAGE EXISTS ON THE BACK LIGHT POWER LEAD OF THIS MONITOR. BEFORE SERVICING, DETERMINE THE PRESENCE OF HIGH VOLTAGE BY CONNECTING THE H.V. METER BETWEEN THE BACK LIGHT POWER LEAD AND CHASSIS ONLY.“

WARNING
To prevent overturn when moving, transport the equipment on flat surface only. Do not put in unstable position.

2. FCC Requirements

“This device complies with part 15 of the FCC Rules. Operation is subject to th following two conditions: (1) This device may not cause harmful interference, and (2) th device must accept any interference received, including interference that may caus undesired operation.“

The equipment has been tested and found to comply with the limits for a Class B digit device, pursuant to part 15 of FCC rules. These limits are designed to provic reasonable protection against harmful interference in a residential installation. Th equipment generates uses and can radiate radio frequency energy and, if not installe and used in strict accordance with the instructions, may cause harmful interference radio communications. However, there is no guarantee that interference will not occur a particular installation. If this equipment does cause harmful interference to radio television reception, which can be determined by turning the equipment off and on, th user is encouraged to try to correct the interference by one or more of the followir measure:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which th receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnected cables and shield power cords must be employed with th equipment to insure compliance with the pertinent RFD emission limits governing th device.

Changes or modifications not expressly approved by the manufacturer could void th user authority to operate the equipment.

Notice of Compliance with Canadian Interference-causing Equipment Regulations

This Class B digital apparatus meets all requirements of the Canadian Interferenc Causing Equipment Regulations.

Cet appareil numerique de la Classe B respecte toutes les exigences du Reglement s le materielle brouilleur du Canada.

3. CE Conformity

CE Conformity for Europe

The device complies with the requirements of the ECC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to "Electromagnetic compatibility", and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to "Safety".

4. WEEE Declaration

Important Information for Recycling

This warning sign of trash bin indicates that the objects are not allowed to be dispose as general refuse. Please follow the local Act and carry out further disposal with refus recycling and collecting system in your Country or District. For more information c recycling, please contact locally authorized recycling centre or place of purchase. You recycling behaviour will bring better future for the Earth and create living environme with excellent quality for the descendant.

Informations importantes relatives au recyclage

Cet avertissement sur un récipient à ordures indique qu'il est interdit d'y déverser de ordures ménagères. Veuillez à l'avenir respecter les réglementations locales et rester e conformité avec le système de collecte et de recyclage des ordures de votr circonscription ou district. Pour plus d'informations sur le recyclage, veuillez contacte votre centre de recyclage agréé local ou le lieu d'achat. Votre attitude quant a recyclage améliorera l'avenir de la planète et créera un environnement de vie de qualit pour les générations futures.

Wichtige Hinweise zum Recycling

Dieses Mülleimer-Warnsymbol gibt an, dass die Objekte nicht mit dem reguläre Hausmüll entsorgt werden dürfen. Bitte halten Sie sich an die örtlichen Bestimmunge und entsorgen Sie die Objekte über Recycling- und Sammelstellen in Ihrer Näh Detaillierte Informationen zum Recycling erhalten Sie von Ihrer örtlichen, offizielle Recycling-Sammelstelle oder beim Händler, bei dem Sie die Objekte erworben habe Ihre Mitarbeit trägt dazu bei, unsere Umwelt zu schützen und sorgt dafür, dass unse Erde auch für nachfolgende Generationen ein Ort bleibt, an dem es sich zu leben lohnt

Información importante de reciclado

Este letrero de aviso de cubo de basura indica que los objetos no pueden desechars como residuos generales. Cumpla la normativa local y realice la eliminación según sistema de reciclado y recogida de su país o región. Para obtener más informació sobre el reciclado, póngase en contacto con su centro de reciclado autorizado local o s lugar de compra. Su conducta de reciclado supondrá un mejor futuro para la Tierra crea un entorno de vida de calidad para las futuras generaciones.

4. WEEE Declaration

Informazioni importanti sul riciclaggio

Questo simbolo del bidone dell'immondizia sta ad indicare che è vietato smaltire il prodotto insieme ai rifiuti domestici generici. Attenersi alle normative ed alle procedure di raccolta e riciclaggio dei rifiuti speciali in vigore nella propria città o regione. Per altre informazioni sul riciclaggio, mettersi in contatto con i centri autorizzati di raccolta e riciclaggio, oppure con negozio dove è stato fatto l'acquisto. Le vostre azioni garantiranno il miglioramento futuro della Terra e creeranno un ambiente ed una qualità di vita che tutti preferiscono sia per sé sia per le generazioni future.

Důležité informace pro recyklaci

Tato značka na kontejneru znamená, že do něj není dovoleno vhazovat určité předměty. Dodržujte prosím místní předpisy a likvidujte odpad podle systému recyklace a sběru odpadu ve vaší zemi nebo okresu. Pro další informace o recyklaci kontaktujte místní recyklační středisko nebo místo nákupu výrobku. Svým postojem k recyklaci přispějete k lepší budoucnosti na Zemi a ke kvalitnějším životním podmínkám pro budoucí generace.

Ważna informacja dotycząca recyklingu

Symbol przedstawiający pojemnik na odpadki informuje, że oznaczone nim obiekty nie mogą być usuwane razem z ogólnymi odpadami. Należy stosować się do lokalnego prawa i wykonywać zalecenia dotyczące dalszego przetwarzania takich odpadów poprzez umieszczanie ich punktach gromadzenia odpadów w danym kraju lub okręgu. Dalsze informacje dotyczące recyklingu można uzyskać, po skontaktowaniu się z punktem przetwarzania odpadów autoryzowanym przez władze lokalne lub w miejscu zakupu. Stosowanie się do zaleceń w sprawie przetwarzania odpadów, przyczyni się do zmniejszenia zanieczyszczenia Ziemi i zachowania czystości środowiska dla przyszłych pokoleń.

Важная информация о переработке отходов

Такое изображение мусорного ящика обозначает, что данный предмет не разрешается выбрасывать вместе с общими отходами. Пожалуйста, придерживайтесь местных законов и выбрасывайте данный предмет в соответствии с системой переработки отходов вашей страны или области. Для более детальной информацией о переработке отходов обращайтесь к местным авторизированным центрам переработки отходов или к продавцу данного изделия. Ваши действия по утилизации мусора повлияют на лучшее будущее Земли и повысят чистоту окружающей среды для будущих поколений.11. WEEE Declaration

Lamp Disposal

Hg

LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG. FOR LAMP SPECIFIC DISPOSAL INFORMATION CHECK WWW.LAMPRECYCLE.ORG.

5. Product Safety Precautions

Follow all warnings and instructions marked on the product.

- Do not use this product near water - e.g. near a bathtub, washbasin, swimming poo kitchen, laundry tub or in a wet basement.
- When cleaning, use only a neutral detergent cleaner with a soft damp cloth. Do n spray with liquid or aerosol cleaners.
- Do not expose this product to direct sunlight or heat. Hot air may cause damage the cabinet and other parts.
- Adequate ventilation must be maintained to ensure reliable and continued operatio and to protect the product from overheating. Do not block ventilation slots ar openings with objects or install the monitor in a place where ventilation may b hindered.
- This product should be operated from the type of power source indicated on th AC/DC adapter. Do not install this monitor near a motor or transformer where stron magnetism is generated. Images on the monitor will become distorted and the colo irregular.
- Do not allow metal pieces or objects of any kind to fall into the product throug ventilation holes.
- Do not attempt to service this unit yourself. Removal of the product cover ma expose you to dangerous voltage or other risks. Refer all servicing to qualifie service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personn in the event that:

- Liquid is spilled into the product or the product is exposed to rain or water.
- The product does not operate normally when the operating instructions are followed
- The product has been dropped or the cabinet has been damaged.
- The product exhibits a distinct change in performance, indicating a need for service.
- Power cord or plug is damaged or frayed.

5-1. Cleaning

- MAKE SURE THE PRODUCT IS TURNED OFF AND DISCONNECTED.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE CASE.

5-2. To clean the case

1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mi non-abrasive detergent onto a clean, soft, line-free cloth, and wipe the surface.

6. Hardware Installation

This Quick Guide will guide you through the correct installation and configuration procedure of your media player. The media player is to be used together with the MultiQ digital signage management system. Further information is available in the MultiQ Digital Signage Management System manual and in technical notes that can be found on the MultiQ website.

6-1. Unpacking

Please make sure that the following items are included in the package and in good condition. If you find that any items damaged or missing, please contact your retailer immediately.

- One media player
- AC/DC adapter with 12V DC output
- AC power cord
- This quick start guide

6-2. Mounting

Mounting and attachment hardware is not included. Please contact your MultiQ reseller if you wish to mount your media player on the wall or on the back of a MultiQ monitor with VESA interface. There are several options. Mounting instructions are provided with each separate mounting bracket.

6-3. Connections

The media players are available in two separate video output versions, DVI-D and DVI-A.

DVI-D (Digital) – the media player has connections for DVI-D (digital only) or DVI-A (analogue only), Audio (digital and analogue), LAN and USB I/O.

DVI-A (analogue) - the monitor must support DVI-A or VGA connection, if the monitor only supports VGA input a DVI-A to VGA cable should be used or alternative a VGA-VGA cable together with the DVI-A to VGA converter which is included with the media player.

6. Hardware Installation

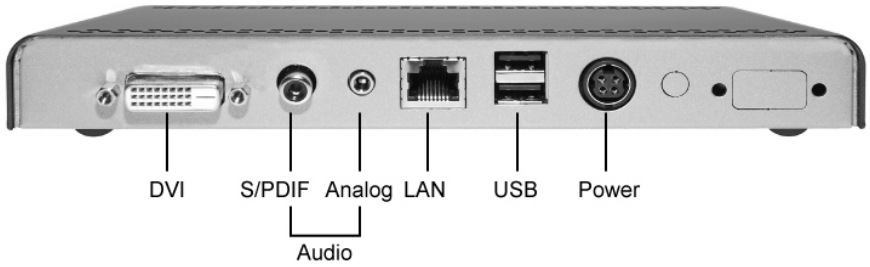

Figure 1. Back panel connections.

A monitor must be used when configuring the media player. Connect the video output the monitor to be used.

Media player 4 and 5 – if the monitor has HDMI input, a DVI-D to HDMI conversio cable must be used.

Media player 4 VGA - the monitor must support DVI-A or VGA, if the monitor on support VGA input a DVI-A to VGA cable or a VGA-VGA cable with the DVI-A to VG converter included with the media player should be used.

The audio outputs may be connected to analogue or digital inputs on external aud systems. The LAN port must be connected to a LAN with Internet access.

During setup a USB keyboard and USB mouse must be connected to the USB ports. If touch panel monitor is to be used it may replace the mouse, one of the USB por should be connected to the touch panel interface of the monitor.

Do all connections before powering up by connecting the external power supply.

6. Hardware Installation

6-4. Front panel LEDs

On the front of the media player there are 4 LEDs.

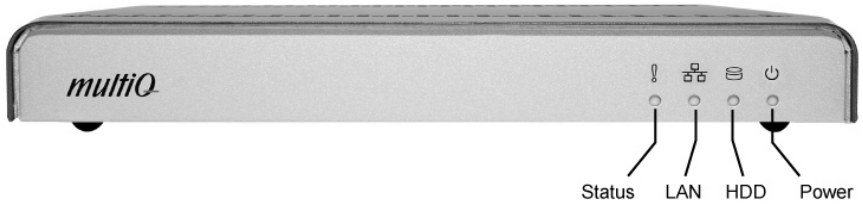

Figure 2. Front panel with indication LEDs.

Power – This led will be lit when the media player is on (Blue).

Status – This led indicates activities and result of activities

- Flashing between red and green: ongoing activity as starting up, shutting down or download in progress.
- Green: download succeeded
- Red: communication with the digital signage management server failed or download failed

HDD – Hard drive activity (Yellow).

LAN – Flashes when there is activity on the LAN port.

- Not lit: no network access
- Constantly lit in green: Link up at 100 Mb/s or 1000 Mb/s
- Flashing in green: Network activity at 100 Mb/s or 1000 Mb/s
- Constantly lit in red: Link up at 10 Mb/s
- Flashing in red: Network activity at 10 Mb/s

7. Configuration and connection check

7-1. Configuration

To perform initial setup of a media player either use a separate monitor that includes touch panel or use an attached mouse if there is no touch panel.

At first start up the media player will automatically present the configuration menu. If yo wish to enter the configuration menu again you will need a USB keyboard attached the unit. By pressing “Ctrl + Alt + c” you can make the player reboot after which th configuration menu will appear.

Note that the media player will automatically leave the configuration menu after a fe minutes if no further input is made.

7-2. Touch Calibration

If a monitor including a touch panel is connected to the media player, follow thes instructions. Initialize the calibration procedure by rebooting the unit. While booting u the media player will show the picture below. Tap anywhere on the screen to start th calibration process.

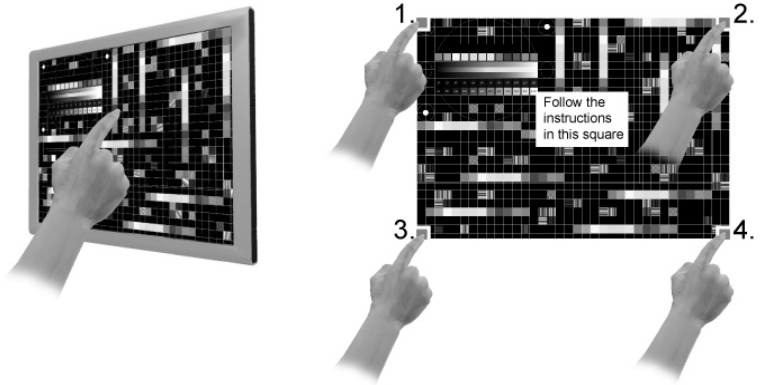

Figure 3. The touch calibration procedure.

Follow the instructions on the screen and press the red marking in one of the corner When pressed, the red marking will move to another corner. Press the red marking un all four corners have been calibrated. The calibration is now completed and the med player will continue to boot.

7-3. Basic configuration

After the test card has been shown, the monitor orientation setting will appear. By clicking the centre button you can rotate the menu system to fit the orientation of the monitor.

Figure 4. By pressing the centre button the configuration menu can be rotated.

When the proper orientation of the menu system has been chosen the language setting menu will appear. By choosing the language, also the language keyboard setting is selected.

Figure 5. The language settings menu.

Next is the setup menu login page. You will find see the virtual keyboard at the bottom of the page. By default the username is “admin” and the password is “admin”.

7-4. Stand alone setup

As default the “Basic” setup menu is chosen. If you intend to use the media monitor a a standalone unit (without access to a central managing system) press the “Standalon button (default).

In most cases media players are connected to a local network that provides an I address automatically. If so, press “DHCP”. Then press “Test connection”.

Figure 6. Standalone setup with DHCP selected.

Before proceeding to the next menu a Test connection should be made. Clicking the te connection button will provide you with the IP address that the unit has acquired fro the DHCP server.

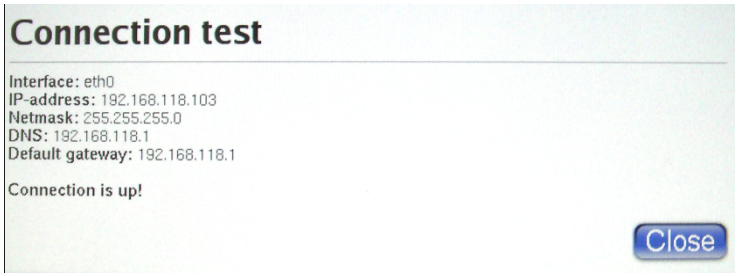

Figure 7. The connection test will provide you with the IP address of the media monitor.

Next is the setup menu login page. You will find see the virtual keyboard at the bottom of the page. By default the username is “admin” and the password is “admin”.

Figure 8. Use the virtual keyboard to enter username and password.

After pressing the “Next” button you will find yourself in the digital signage manageme system main menu.

As an alternative to acquiring an IP address automatically, the IP address can be s manually. In such case you must obtain IP addressing parameters from your netwo administrator (Figure 9).

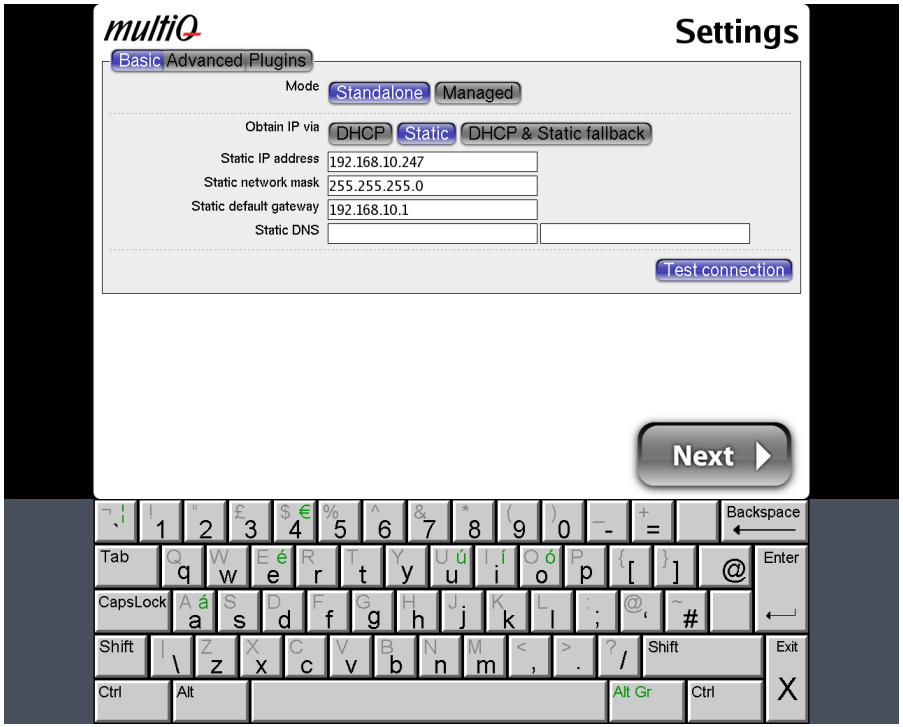

Figure 9. As an alternative the IP address of the media monitor can be set as static.

Most features of the media monitor can be handled using the onscreen menus. Howev in order to upload content files and for more practical handling of the unit, you a recommended to log in to the media monitor from your PC. To log in to the unit you nee to know its IP address.

To be able to log in to the unit you also need to remove the web server lock. For securi the web server is by default locked from inbound requests. To remove the web serv lock you need to click the “Users” icon to the left. The “Disable remote access to we server” check box should be unchecked. Then click “Save”. After a while the med monitor will be available for inbound requests.

Figure 10. In the "Security menu" (reached by clicking the "Users" icon to the left), the web server lock can be removed and the password can be changed.

Another thing that should be done at an early stage is to change the administrator password. In the "Security" menu (Figure 10) tick the "Admin" checkbox and then click the "Modify" button to change the administrator password. After entering the new password, press "Save". Finally press "Done" to leave the onscreen menu system.

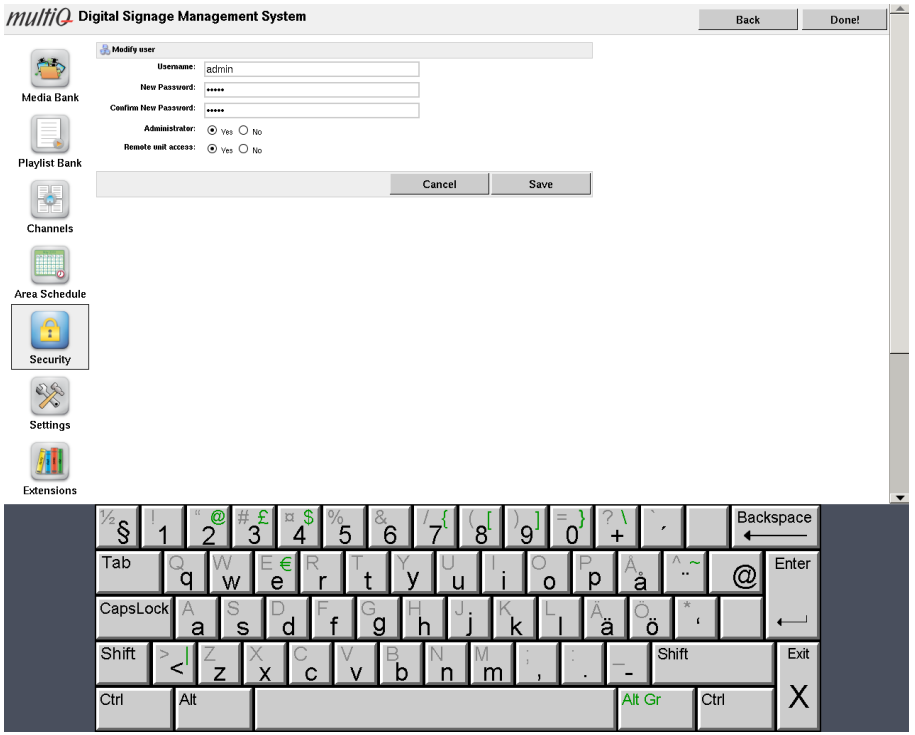

Figure 11. The administrator password can be changed by ticking the "Administrator" checkbox ar then clicking the "Modify" button.

By connecting your PC to the same subnet as the media monitor it is now possible to lo in to the server from your PC or MAC. Just put the IP address of your media player c the address line of your web browser and log in to the media player web server usir the password that you have chosen. Using your web browser you can now manage th content that is to be used in the media player.

7-5. Centrally managed network setup

If the media player is to be used in a centrally managed digital signage network yo should choose "Managed" in the configuration menu. Add the media player ID and th URL of the server (Account URL) along with the username and the password that hav been provided by the network administrator. Then click the "Test connection" button t verify that a script file is received from the management server.

Figure 12. Managed setup of the media player.

If you are successful you will get a sign on the screen telling you that the unit has received a script file and that the connection is up. It also confirms that the media monitor Unit ID is defined in the digital signage management system.

If the connection test fails, start by checking the parameters once more to see that everything is correctly set. Also check the LAN cabling.

When everything is working correctly press “Next” to save the settings.

After the reboot the media player will automatically start downloading the files decided by the digital signage management system. While downloading files the “Status” LED will flash between red and green (see section 6-4).

7-6. Flash installation

If the media player is to use Flash files a Flash plug in has to be installed. This is dor by pressing the “Plugins” button in the configuration menu. Follow the instructions install Flash. Also other plugins will become available in this menu.

Figure 13. Plug-ins such as Flash are available in the “Plugin” menu.

7-7. Image retention

All monitors are more or less sensitive to image retention. Temporary or permanei image retention (visible tracks of previously shown images) is caused by long-tim display of static images. Especially static images containing hard contrast transitior may cause image retention. Therefore it is recommended not to display the configuratic menu or other static content during a long period of time. In applications where stat images are inevitable as in kiosk applications with buttons, hard contrast transitior should be avoided and screen saver videos are recommended.

8. Troubleshooting

The media player doesn't power up

- Check the LED on the power supply. If not lit, make sure it's properly connected to a wall socket.
- If the power supply LED is lit, but the media monitor still doesn't power up. Check the cable between the power supply and the media monitor.

The media player shows an "IDLE" message

- Check the status LED, if flashing between red and green, the media monitor is downloading content. Wait for download to complete.
- Check the settings in the configuration menu and make a connection test.
- Check the Ethernet connection. Make sure that the outbound ports 21, 80 and NTP 123 are left open in the firewall.
- Check with the digital signage management system operator if any content is assigned to the media player.

The media player displays the wrong content

- Check the Unit ID in the configuration menu.

Interactivity between media players or other devices do not work

- Check the IP addresses for each device and see to that they are set according to the instructions provided by the digital signage management system operator.

Additional information is to be found in the support section of the MultiQ website.

9. Specification

9-1. Key features

Standalone and managed operation
The media player contains a complete management server making it possible to use th unit as a standalone system without access to a central server. At any time the unit ca be reconfigured for operation managed by a central server. This makes the MultiQ digit signage system scalable from a single media player or media monitor to large system including thousands of units.

Full HD support
The media player supports a wide range of video formats including 720p, 1080i ar 1080p.

Combined local play and live web content retrieval
The media player can play locally stored media that is automatically updated from th central digital signage management system as well as from external sources availab on the Internet. This way high quality video playback may be combined with up to th minute news, weather and other kinds of updates. The split screen capabilities allows f mixing local play content with live web content retrieval on the same screen. Local pla saves bandwidth.

Web kiosk feature with virtual keyboards
The media players may (if combined with touch panel monitors) be used in web kiosk that allows for full interactivity and transactional capabilities. This feature makes possible to interface with e-commerce and other transactional systems. Standard ful featured virtual keyboards are available in UK English, French, German, Norwegian, ar Danish and in Swedish. The keyboards are available in two designs. The split scree capability allows for web kiosk content to be mixed with local play content (such as hig performance video clips) on the same screen.

Local storage website feature
Websites may be stored locally on the media players for rapid access and to sav broadband capacity. The media player has a web server including data base and PH support.

Open Client API – Media player interactivity and interconnectivity
The built-in web server and open client API allows for interactive applications to be s up in a simple way using common web development tools. Interactivity may be realize as internal requests for playlists and spots as well as external requests to other med players to play specific content. The client API also allows for interconnectivity with oth systems such as surveillance cameras, queue handling systems and cash regist systems. The open client API opens for cutting edge digital customer information ar interaction systems. More details on the features are to be found on the MultiQ website

9-2. Media player software

Operating system
Linux kernel ver. 2.6.X, GLibC ver. 2.7 optimized for digital signage applications.

Digital signage application
MultiQ Client Control software including screen region control, scheduling and device management such as embedded software upgrades.

Video format support (Hardware accelerated using internal player)
The media player can play the following video file formats with or without audio:

- MPEG-1
- MPEG-2
- MPEG-4 part 10 (h.264)
- MPEG-4 part 2

Video format support (Using the web browser)
- SWF (requires software module installation)
- Motion JPEG

Audio format support
The client can play the following audio file formats:

- OGG
- MP3 (MP3 requires MultiQ MP3 license)

Images playback
The client can display images of the following format (up to max 1.2 M pixels):

- JPEG
- GIF
- BMP
- PNG

Browser
Mozilla Gecko 1.9 (same as used for Firefox 3.0.10) supporting Java script, Ajax and other w3c standards.

Browser add-ons
- Multilingual virtual keyboard (UK, FR, DE, NO, DK, SV)
- Flash 10 is available as user loadable module.
- Adobe Reader 9.1.2 or higher (PDF file support)
- Sun Java Runtime environment 1.6.0 or higher
- Client side network functionality verification tools – verifies web-source availabili and initiates alternative handling in case of network problems.
- URL access limitations – enables administrator to lock web browser access from ar to specific URLs.
- A soft transition between URLs.
- Loader indication – clearly notifies end user that downloads of new content browser is in progress.

Web server
- Apache 2.2.11 or higher

Web server scripting language
- PHP 5.2.10 or higher

Database
- SQLite 2.8.17 or higher

Player API
- MultiQ open API (MAPIDS) for device control

9-3. Media player hardware

System
- Media Player 4 and Media Player 4 VGA: CPU Intel Atom 1,1 GHz, 512 MB RAM, GB Flash (1 GB available for user files)
- Media Player 5: CPU Intel Atom 1,6 GHz, 1 GB RAM, 4 GB Flash (3 GB available f user files)

Video output DVI-D versions*
- DVI-D output in VGA/SVGA/XGA/SXGA/1366x768/HD 1080 resolutions. Frame ra is always 60 Hz

*) Conversion from previously mentioned supported video formats to the above outp formats takes place in the media player.

9. Specification

Video output DVI-A (VGA) version*
- DVI-A (Analogue only version) output in VGA/SVGA/XGA/SXGA/1366x768/HD 1080 resolutions.

**) Conversion from previously mentioned supported video formats to the above output formats takes place in the media player.*

Audio output
- 3,5 mm analogue stereo line output
- S/PDIF digital electrical interface

Network
- RJ-45 10BASE-T/100BASE-TX/1000BASE-T

USB
- 2 USB 2.0 ports

Dimensions
- 215(W) x 144(D) x 35(H) mm

Weight
- 0,75 kg, shipping weight total 1,4 kg

External power supply
- Input AC 100-240 V, 50-60 Hz
- Output 12 V DC, 5.0A

Power usage
- 6-7 W (typical), 10 W (max excl. USB devices), 15 W (max inc. USB load)

Operating temperature
- 0-40°C

Approvals
- Power supply: CE, UL, TUV/GS, FCC
- Media player: CE
- Environmental: RoHS, WEEE

10. Advanced configuration menu

10-1. Advanced configuration menu

The following list will describe each item in the advanced configuration menu. This is f information only. In most cases the settings described in section 4 are sufficient.

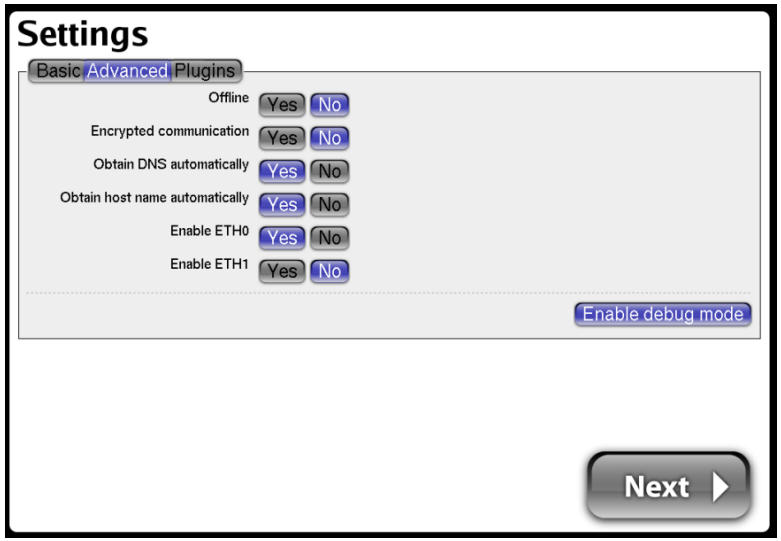

Figure 14. The advanced configuration menu.

Please note that the number of parameters and their ID's may change depending c software version.

"Offline" set to "Yes" should be used if the media monitor is to be temporarily use without connection to the Internet for demonstration purposes (default is "No").

"Encrypted communication" set to "Yes" will make the media monitor use the HTTP- and the FTP-S protocols (default is "No").

"Obtain DNS automatically" set to "Yes" will make the media monitor to obtain a DN address from a DHCP server (default is "Yes").

"Obtain host name automatically" set to "Yes" will make the media monitor to obtain ho name from a DHCP server (default is "Yes").

"Enable ETH0" set to "No" will disable the Ethernet port (default is "Yes").

"Enable ETH1" is not used and should be set to "No"